

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein --protein search, using sw model

Run on: November 12, 2003, 15:41:34 ; Search time 9.84282 Seconds
(without alignments)
640.499 Million cell updates/sec

Title: US-09-963-347B-2

Perfect score: 769

Sequence: 1 MGCPRMFPALLYVLSVSR.....KRRKRKVTNNKLEQVSQL 149

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

- 1: /cgn2_6/prodata/2/iaa/5A COMB.pep:*
- 2: /cgn2_6/prodata/2/iaa/5B COMB.pep:*
- 3: /cgn2_6/prodata/2/iaa/6A COMB.pep:*
- 4: /cgn2_6/prodata/2/iaa/6B COMB.pep:*
- 5: /cgn2_6/prodata/2/iaa/PCITUS COMB.pep:*
- 6: /cgn2_6/prodata/2/iaa/backfile1.pcp:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Match	Length	DB ID	Description
1	707	91.3	159	4	US-09-852-391-2
2	81.5	10.6	674	4	US-09-328-352-6455
3	73	9.5	1461	2	US-08-993-228-10
4	72.5	9.4	1465	4	US-09-627-986-1
5	71.5	9.3	1394	3	US-09-213-053-2
6	71.5	9.3	2184	4	US-09-417-485D-6
7	71	9.2	154	1	US-08-446-908-2
8	71	9.2	154	1	US-08-231-205A-2
9	71	9.2	154	2	US-08-871-161-2
10	71	9.2	667	4	US-09-328-352-5747
11	70	9.1	1155	1	US-08-286-889-46
12	70	9.1	1155	1	US-08-485-618-46
13	70	9.1	1155	1	US-08-362-652-46
14	70	9.1	1155	2	US-08-605-672-46
15	70	9.1	1155	2	US-08-482-293A-46
16	70	9.1	1155	2	US-08-943-363-46
17	70	9.1	1155	3	US-09-193-043-46
18	70	9.1	1155	4	US-09-688-307A-46
19	70	9.1	1161	1	US-08-485-618-53
20	70	9.1	1161	2	US-08-362-652-53
21	70	9.1	1161	2	US-08-605-672-53
22	70	9.1	1161	2	US-08-482-293A-53
23	70	9.1	1161	2	US-08-943-363-53
24	70	9.1	1161	3	US-09-193-043-53
25	70	9.1	1161	4	US-09-688-307A-53
26	69	9.0	1589	3	US-09-356-952-4
27	68	8.8	440	3	US-08-430-286A-9

28	68	8.8	2285	4	US-09-308-375-2	Sequence 2, Appli
29	67.5	8.8	354	4	US-09-198-452A-317	Sequence 217, App
30	67	8.7	154	4	US-09-252-991A-27368	Sequence 27368, A
31	67	8.7	411	1	US-07-937-609-21	Sequence 21, Appl
32	67	8.7	411	3	US-08-029-170-21	Sequence 21, Appl
33	67	8.7	459	1	US-08-220-151-12	Sequence 12, Appl
34	67	8.7	459	1	US-08-220-151-14	Sequence 12, Appl
35	67	8.7	459	1	US-08-413-118-12	Sequence 12, Appl
36	67	8.7	459	1	US-08-413-118-14	Sequence 14, Appl
37	67	8.7	459	3	US-08-473-446-12	Sequence 12, Appl
38	67	8.7	459	3	US-08-473-446-14	Sequence 14, Appl
39	67	8.7	459	3	US-09-213-053-6	Sequence 6, Appli
40	66.5	8.6	531	5	PCT-US92-00282-6	Sequence 6, Appli
41	66	8.6	451	3	US-08-430-286A-10	Sequence 10, Appl
42	66	8.6	782	1	US-07-725-083-2	Sequence 2, Appli
43	66	8.6	782	3	US-08-669-286-10	Sequence 10, Appl
44	66	8.6	782	3	US-09-469-253-10	Sequence 10, Appl
45	66	8.6	782	3	US-09-642-146-10	Sequence 10, Appl

ALIGNMENTS

RESULT 1
US-09-852-391-2
; Sequence 2, Application US/098523391
; Patent No. 6555520
; GENERAL INFORMATION:
; APPLICANT: Sims, John
; APPLICANT: Lyman, Stewart
; APPLICANT: Armstrong, Allison
; APPLICANT: McKenna, Hilary
; TITLE OF INVENTION: Human TSLP DNA and Polypeptides
; FILE REFERENCE: 03260.0087-00304/2881-WO
; CURRENT APPLICATION NUMBER: US/09/852,391
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: 60/108,452
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 2
; LENGTH: 159
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-852-391-2

Query Match	91.9%	Score 707;	DB 4;	Length 159;
Best Local Similarity	96.5%	Fred. No. 2.5e-75;		
Matches 139;	Conservative 0;	Mismatches 5;	Indels 0;	Gaps 0;
QY	6	MPPFALLVLSVSFRKFIQLQVLGLVLYDFNCDPFEKIKAAVLTISKDLITYMSGTKS	65	
Db	1	MPPFALLVLSVSFRKFIQLQVLGLVLYDFNCDPFEKIKAAVLTISKDLITYMSGTKS	60	
QY	66	TEFNNTVSCSNRPHCLTEIQSLTFNPNRVRSLAKEMFAMTKAALAIWCPGYSETQINA	125	
Db	61	TEFNNTVSCSNRPHCLTEIQSLTFNPTAGCAGSLAKEMFAMTKAALAIWCPGYSETQINA	120	
QY	126	TOAMKRRKRKVTNNKCLEQVSQL	149	
Db	121	TOAMKRRKRKVTNNKCLEQVSQL	144	

RESULT 2
US-09-328-352-6455
; Sequence 6455, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Berton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; CURRENT APPLICATION NUMBER: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352

Result No.	Query			DB	ID	Description
	Score	Match	Length			
1	480	100.0	723	4	US-09-852-391-1	Sequence 1, Appli
C 2	34.4	7.2	1230025	4	US-09-198-452A-1	Sequence 1, Appli
C 3	33.4	7.0	1664976	4	US-08-916-421B-1	Sequence 1, Appli
C 4	31.8	6.6	1881	5	PCR-US94-09752-2	Sequence 2, Appli
C 5	31	6.5	1734	4	US-09-288-143-42	Sequence 42, App
C 6	31	6.5	2460	4	US-09-328-352-524	Sequence 524, App
C 7	31	6.5	1830121	4	US-09-557-884-1	Sequence 1, Appli
C 8	31	6.5	1830121	4	US-09-643-990A-1	Sequence 1, Appli
C 9	30.4	6.3	1218	4	US-09-252-991A-14566	Sequence 14566, A
C 10	30.4	6.3	4403765	3	US-09-103-840A-2	Sequence 2, Appli
C 11	30.4	6.3	4411529	3	US-09-103-840A-1	Sequence 1, Appli
C 12	30.2	6.3	690	4	US-09-404-879A-321	Sequence 321, App
C 13	30	6.2	231	1	US-08-026-145-5	Sequence 5, Appli
C 14	30	6.2	234	1	US-08-446-648-10	Sequence 10, Appl
C 15	30	6.2	450	1	US-08-446-646-4	Sequence 4, Appli
C 16	29.6	6.2	2373	3	US-08-817-707-5	Sequence 5, Appli
C 17	29.6	6.2	3884	4	US-09-734-675-3	Sequence 3, Appli
C 18	29.6	6.2	1664976	4	US-08-916-421B-1	Sequence 1, Appli
C 19	29.6	6.2	1830121	4	US-09-557-884-1	Sequence 1, Appli
C 20	29.6	6.2	1830121	4	US-09-643-990A-1	Sequence 1, Appli
C 21	29.4	6.1	998	2	US-07-885-089B-5	Sequence 1, Appli
C 22	29.4	6.1	1282	4	US-08-858-207A-153	Sequence 5, Appli
C 23	29.2	6.1	1001	4	US-09-671-317-412	Sequence 153, App
C 24	29.2	6.1	1073	4	US-09-481-049-6	Sequence 412, App
C 25	29.2	6.1	1976	4	US-09-356-806-112	Sequence 6, Appli
C 26	29.2	6.1	2312	4	US-09-356-806-114	Sequence 112, App
C 27	29.2	6.1	3212	3	US-08-697-954-1	Sequence 114, App
C 28	29.2	6.1	3212	3	US-08-697-954-1	Sequence 1, Appli

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: November 12, 2003, 15:41:34 ; Search time 10.5034 Seconds
(without alignments)
640.499 Million cell updates/sec

Title: US-09-963-347B-4
Perfect score: 823
Sequence: 1 MPPFALLVLSVSPKIFIL.....QVSQGLWRRNRPRLKQQ 159

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 4231058 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgm2_6/ptodata/2/iaa/5A COMB.pap.*
2: /cgm2_6/ptodata/2/iaa/5B COMB.pap.*
3: /cgm2_6/ptodata/2/iaa/6A COMB.pap.*
4: /cgm2_6/ptodata/2/iaa/6B COMB.pap.*
5: /cgm2_6/ptodata/2/iaa/PCTUS_COMB.pap.*
6: /cgm2_6/ptodata/2/iaa/backfiles1.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	823	100.0	159	4 US-09-852-391-2	Sequence 2, Appli
2	74.5	9.1	674	4 US-09-328-352-4934	Sequence 6455, Ap
3	73	8.9	1155	1 US-08-286-889-46	Sequence 46, Appl
4	73	8.9	1155	1 US-08-485-618-46	Sequence 46, Appl
5	73	8.9	1155	1 US-08-362-652-46	Sequence 46, Appl
6	73	8.9	1155	2 US-08-605-672-46	Sequence 46, Appl
7	73	8.9	1155	2 US-08-482-293A-46	Sequence 46, Appl
8	73	8.9	1155	2 US-08-943-363-46	Sequence 46, Appl
9	73	8.9	1155	3 US-09-193-043-46	Sequence 46, Appl
10	73	8.9	1155	4 US-09-688-307A-46	Sequence 46, Appl
11	73	8.9	1161	1 US-08-485-618-53	Sequence 53, Appl
12	73	8.9	1161	1 US-08-362-652-53	Sequence 53, Appl
13	73	8.9	1161	2 US-08-605-672-53	Sequence 53, Appl
14	73	8.9	1161	2 US-08-482-293A-53	Sequence 53, Appl
15	73	8.9	1161	2 US-08-943-363-53	Sequence 53, Appl
16	73	8.9	1161	3 US-09-193-043-53	Sequence 53, Appl
17	73	8.9	1161	4 US-09-688-307A-53	Sequence 53, Appl
18	73	8.9	1461	2 US-08-993-228-10	Sequence 10, Appl
19	71	8.6	404	4 US-09-198-452A-415	Sequence 415, App
20	69.5	8.4	531	5 PCT-US92-00282-6	Sequence 6, Appli
21	69.5	8.4	711	3 US-08-949-588-2	Sequence 2, Appli
22	69.5	8.4	1394	3 US-09-213-053-2	Sequence 2, Appli
23	68.5	8.3	465	4 US-09-627-986-1	Sequence 1, Appli
24	68	8.3	328	4 US-09-180-827-7	Sequence 7, Appli
25	68	8.3	1589	3 US-09-356-952-4	Sequence 4, Appli
26	68	8.3	2285	4 US-09-308-375-2	Sequence 2, Appli
27	67	8.1	154	4 US-09-252-991A-27368	Sequence 27368, A

28	66	8.0	314	4 US-09-328-352-4934	Sequence 4934, Ap
29	66	8.0	321	3 US-08-673-814-2	Sequence 2, Appli
30	66	8.0	321	4 US-09-115-824-2	Sequence 2, Appli
31	66	8.0	366	3 US-08-975-762-53	Sequence 53, Appl
32	66	8.0	366	3 US-09-295-028-53	Sequence 53, Appl
33	66	8.0	366	4 US-09-106-582-53	Sequence 53, Appl
34	66	8.0	667	4 US-09-328-352-5747	Sequence 5747, Ap
35	66	8.0	1293	4 US-09-170-496D-292	Sequence 292, App
36	66	8.0	2183	3 US-08-746-111-5	Sequence 5, Appli
37	65.5	8.0	127	3 US-08-946-026-4	Sequence 4, Appli
38	65.5	8.0	321	4 US-08-948-276-4	Sequence 2, Appli
39	65.5	8.0	612	1 US-08-344-695-2	Sequence 2, Appli
40	65	7.9	154	1 US-08-446-308-2	Sequence 2, Appli
41	65	7.9	154	1 US-08-231-205A-2	Sequence 2, Appli
42	65	7.9	154	2 US-08-871-161-2	Sequence 2, Appli
43	65	7.9	427	1 US-08-361-920-25	Sequence 25, Appl
44	65	7.9	427	1 US-08-479-939-25	Sequence 25, Appl
45	65	7.9	427	1 US-08-483-432-25	Sequence 25, Appl

ALIGNMENTS

RESULT 1
US-09-852-391-2
; Sequence 2, Application US/09852391
; Patent No. 6555520
; GENERAL INFORMATION:

; APPLICANT: Sims, John
; APPLICANT: Lyman, Stewart
; APPLICANT: Armstrong, Allison
; APPLICANT: McKenna, Hilary
; TITLE OF INVENTION: Human TSLP DNA and Polypeptides
; FILE REFERENCE: 03260.0087-00304/2881-WO
; CURRENT APPLICATION NUMBER: US/09/852,391
; PRIOR FILING DATE: 2001-05-09
; PRIOR FILING DATE: 1998-11-13
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 159
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-852-391-2

Query Match 100.0%; Score 823; DB 4; Length 159;
Best Local Similarity 100.0%; Pred. No. 5.8e-08;
Matches 159; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MPPFALLVLSVSPKIFILQVLGLVLTDFNTCDPEKIKAAVLTSTISKOLITVMSGTS 60

Db 1 MPPFALLVLSVSPKIFILQVLGLVLTDFNTCDPEKIKAAVLTSTISKOLITVMSGTS 60

QY 61 TEFNNTVSCSRPCHLTETIOSLTENPTAGCASAKENFAMKTKAALAIWCPGYSETQINA 120

Db 61 TEFNNTVSCSRPCHLTETIOSLTENPTAGCASAKENFAMKTKAALAIWCPGYSETQINA 120

QY 121 TQAMKGRKRVTKNKCLEQVSQLQGLWRRPFRPRLKQQ 159

Db 121 TQAMKGRKRVTKNKCLEQVSQLQGLWRRPFRPRLKQQ 159

RESULT 2

US-09-328-352-6455
; Sequence 6455, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:

; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: November 12, 2003, 15:41:34 ; Search time 8.65376 Seconds
(without alignments)
640.499 Million cell updates/sec

Title: US-09-963-347B-4_COPY_1_131

Perfect score: 675
Sequence: 1 MFPFALLVLSVSRKIFIL.....GYSETQINATQAMKRRKK 131

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep.*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep.*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep.*
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep.*
5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	675	100.0	159	4	US-09-852-391-2
2	73	10.8	1155	1	US-08-286-889-46
3	73	10.8	1155	1	US-08-485-618-46
4	73	10.8	1155	1	US-08-362-652-46
5	73	10.8	1155	2	US-08-605-672-46
6	73	10.8	1155	2	US-08-482-293A-46
7	73	10.8	1155	2	US-08-943-363-46
8	73	10.8	1155	3	US-08-193-043-46
9	73	10.8	1155	4	US-09-688-307A-46
10	73	10.8	1161	1	US-08-485-618-53
11	73	10.8	1161	1	US-08-362-652-53
12	73	10.8	1161	2	US-08-605-672-53
13	73	10.8	1161	2	US-08-482-293A-53
14	73	10.8	1161	2	US-08-943-363-53
15	73	10.8	1161	3	US-09-193-043-53
16	73	10.8	1161	4	US-09-688-307A-53
17	73	10.8	1461	2	US-08-993-228-10
18	69.5	10.3	531	5	PCT-US92-00282-6
19	68	10.1	1589	3	US-09-356-952-4
20	67	9.9	2285	4	US-09-308-375-2
21	66	9.8	366	3	US-08-975-762-53
22	66	9.8	366	3	US-09-295-028-53
23	66	9.8	366	4	US-09-106-582-53
24	65.5	9.7	321	4	US-08-948-276-4
25	65.5	9.7	465	4	US-09-627-986-1
26	65	9.6	154	4	US-09-252-991A-27368
27	65	9.6	589	1	US-07-668-648-6

Sequence 6, Appli
Sequence 6, Appli
Sequence 2, Appli
Sequence 6, Appli
Sequence 4455, Ap
Sequence 4, Appli
Sequence 29, Appli
Sequence 15, Appli
Sequence 17, Appli
Sequence 17, Appli
Sequence 2, Appli
Sequence 3795, Ap
Sequence 121, App
Sequence 2, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 505, App

28 65 9.6 589 2 US-08-429-998-6
29 65 9.6 589 2 US-08-431-333-6
30 65 9.6 589 4 US-08-991-862-2
31 65 9.6 589 5 PCT-US91-02321-6
32 64.5 9.6 101 4 US-09-107-532A-4455
33 64.5 9.6 316 3 US-09-111-470-4
34 64.5 9.6 326 3 US-09-066-046-29
35 64.5 9.6 326 3 US-09-066-047-15
36 64.5 9.6 384 1 US-07-937-609-17
37 64.5 9.6 384 3 US-08-029-170-17
38 64.5 9.6 384 5 PCT-US92-02091-2
39 64 9.5 189 4 US-09-134-001C-3795
40 63.5 9.4 268 4 US-09-198-452A-121
41 63.5 9.4 1027 2 US-08-551-437-2
42 63.5 9.4 1027 3 US-09-004-225-2
43 63.5 9.4 1027 3 US-09-084-346-2
44 63.5 9.4 1027 3 US-09-104-704-2
45 62.5 9.3 352 4 US-09-996-243-505

ALIGNMENTS

RESULT 1
US-09-852-391-2
; Sequence 2, Application US/09852391
; Patent No. 6555520

GENERAL INFORMATION:
; APPLICANT: Sims, John

; APPLICANT: Lyman, Stewart

; APPLICANT: Armstrong, Allison

; APPLICANT: McKenna, Hilary

; TITLE OF INVENTION: Human TSLP DNA and Polypeptides

; FILE REFERENCE: 03260-0087-00304/2881-WO

; CURRENT APPLICATION NUMBER: US/09/852.391

; PRIOR FILING DATE: 2001-05-09

; PRIOR FILING DATE: 1998-11-13

; NUMBER OF SEQ ID NOS: 5

; SOFTWARE: Patent In Ver. 2.0

; SEQ ID NO 2

; LENGTH: 159

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-852-391-2

Query Match 100.0%; Score 675; DB 4; Length 159;
Best Local Similarity 100.0%; Pred. No. 2.3e-73;
Matches 131; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MFPFALLVLSVSRKIFILQVLGLVLTFTNCDPEKIKAAVLTSTISKDLITYMSGTKS 60

Db 1 MFPFALLVLSVSRKIFILQVLGLVLTFTNCDPEKIKAAVLTSTISKDLITYMSGTKS 60

QY 61 TEFNTVSCSNRPCHLTQSLTENPTAGCASLAKENFAMTKKAAALWCPGYSETQINA 120

Db 61 TEFNTVSCSNRPCHLTQSLTENPTAGCASLAKENFAMTKKAAALWCPGYSETQINA 120

QY 121 TQAMKRRKK 131

Db 121 TQAMKRRKK 131

RESULT 2

US-08-286-889-46

; Sequence 46, Application US/08286889

; Patent No. 5470953

; GENERAL INFORMATION:

; APPLICANT: Gallatin, W. Mich

; APPLICANT: Van der Vieren, Monica

; TITLE OF INVENTION: NO. 5470953e1 Human 2 Integrin Alpha Subunit

; NUMBER OF SEQUENCES: 51

; CORRESPONDENCE ADDRESS: